

ABSTRACT OF THE DISCLOSURE

A transmitter in an apparatus for monitoring a condition of a tire includes a pressure sensor, a transmission circuit, a valve stem, an MR sensor, and a magnetic ring. The valve stem has magnetic pieces. The pressure sensor measures the air pressure in the interior of the tire. The transmission circuit generates a transmission signal containing data that represents the measured air pressure. The magnetic ring magnetizes the magnetic pieces. The position of the magnetic ring relative to the magnetic pieces can be changed. A magnetized state of the magnetic pieces varies according to the position of the magnetic ring relative to the magnetic pieces. The MR sensor detects the magnetized state of the magnetic piece. The transmission signal contains data based on the detected magnetized state in addition to the tire condition data. This is capable of identifying the tire mount position.